

Abstract

Title of diploma thesis:

Pyrazine derivatives as potential drugs II.

Presented by:

Petra Graetsová

Rising HIV positivity, migration of people, inconvenient social conditions in a row of underdeveloped countries or wrong administration of therapy contributed to recurrence growth the tuberculosis affection of recent years. The inception of resistance to already used antituberculosis drugs is a motivation for searching new therapeutic possibilities and for synthesis potential drugs. I aimed my activity to esters of 5-*tert*-butyl-6-chloropyrazine-2-carboxylic acid. These new substances were characterized physico-chemical and the tests their antimycobacterial and antifungal activity *in vitro* were carried out. Except the synthesis these derivatives is part of the graduation theses also a description of presently used drugs, accesses for therapy and several examples of new hopeful antituberculosis drugs.

